

ABSTRACT

The invention concerns a method for installing the rotor (22) of an external-rotor motor (20) on a bearing support tube (70) and in a predetermined axial position relative to the latter, which rotor (22) comprises a rotor cup (24) and a rotor shaft (28), the method comprising the following steps:

a) beginning at the rotor cup (24), a compression spring (48), a retaining washer (50), and a bearing arrangement having a plurality of rolling bearings (52, 60) are mounted on the rotor shaft (28), the inner rings (56, 64) of the rolling bearings being slidably displaceable on the rotor shaft (28) within a predetermined region;

b) the rotor (24), with the elements mounted thereon, is pressed into the bearing support tube (70) by means of a pressing-in force (K), the compression spring (48) being compressed so that the rotor cup presses the retaining washer (50) into the bearing support tube (70);

c) the pressing-in force (K) is removed, and the rotor shaft (28) is displaced by means of the compression spring (48) within the inner rings (56, 64) of the bearings (52, 60) in such a way that the rotor (24) assumes the predetermined axial position relative to the bearing support tube (70).